

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A computer readable information storage medium storing ~~An information recording medium recording~~ highlight information with which a mixture or contrast of a video and sub-picture in a rectangular area in which a button is displayed is altered for highlighting a predetermined region in a sub-picture display region by changing a mixture ratio between a main picture and a sub-picture of the predetermined region, wherein the highlight information includes ~~describes~~ highlight general information and a button information table; the button information table is classified into one or a plurality of groups includes plural button information and is used as one-group mode or plural-group mode; each of the plural button information includes button position information; the button position information includes button area information; the highlight general information includes ~~describes~~ a button mode field; and the button mode field includes ~~describes~~ a flag describing indicating whether a button group for or not a high definition exists or not button group is recorded, bits describing the number of button groups, and bits describing a display type of a sub-picture corresponding to the button group.

Claim 2 (Currently Amended): A computer readable information storage medium ~~An information recording medium~~ according to claim 1, wherein, the button information table ~~describes a maximum of 36~~ includes m items of button information; and the table is used as one-group mode made up of m items of button information, two-group mode made up of m/2 items of button information, or three-group mode made up of m/3 items of button information, where m is an integer the maximum of 36 items of button information are described in a 1-group mode formed of 36 items of the button, a 2-group mode, each of the

~~two groups is formed of 18 items of button information, or a 3-group mode, each of the three groups is formed of 12 items of button information.~~

Claim 3 (Currently Amended): An information playback apparatus used for an information storage recording medium storing recording highlight information with which a mixture or contrast of a video and sub-picture in a rectangular area in which a button is displayed is altered ~~for highlighting a predetermined region in a sub-picture display region by changing a mixture ratio between a main picture and a sub-picture of the predetermined region~~, wherein the highlight information includes describes highlight general information and a button information table; the button information table ~~is classified into one or a plurality of groups~~ includes plural button information and is used as one-group mode or plural-group mode; each of the plural button information includes button position information; the button position information includes button area information; the highlight general information includes describes a button mode field; and the button mode field includes describes a flag describing indicating whether a button group for or not a high definition exists or not ~~button-group is recorded~~, bits describing the number of button groups, and bits describing a display type of a sub-picture corresponding to the button group, the information playback apparatus comprising:

means for reading out the flag and the bits describing the display type from the information storage recording medium;

means for, when the flag describes indicates that the button group for [[a]] high definition exists ~~button-group is recorded~~, displaying the read-out button information with high definition, and when the flag describes indicates that the button group for [[a]] high definition does not exist ~~button-group is not recorded~~, displaying the read-out button information according to the bits describing the display type.

Claim 4 (Currently Amended): An information playback apparatus according to claim 3, wherein, the button information table ~~describes a maximum of 36~~ includes m items of button information; and the table is used as one-group mode made up of m times of button information, two-group mode made up of m/2 items of button informations, or three-group mode made up of m/3 items of button information, where m is an integer ~~the maximum of 36 items of button information are described in a 1-group mode formed of 36 items of the button, a 2-group mode, each of the two groups is formed of 18 items of button information, or a 3-group mode, each of the three groups is formed of 12 items of button information.~~

Claim 5 (Currently Amended): An information playback method for an information ~~storage recording medium~~ storing recording highlight information with which a mixture or contrast of a video and sub-picture in a rectangular area in which a button is displayed is altered ~~for highlighting a predetermined region in a sub-picture display region by changing a mixture ratio between a main picture and a sub-picture of the predetermined region, wherein~~ the highlight information includes ~~describes~~ highlight general information and a button information table; the button information table ~~is classified into one or a plurality of groups~~ includes plural button information and is used as one-group mode or plural-group mode; each of the plural button information includes button position information; the button position information includes button area information; the highlight general information includes ~~describes~~ a button mode field; and the button mode field includes ~~describes~~ a flag describing ~~indicating whether a button group for or not a high definition exists or not~~ button-group is recorded, bits describing the number of button groups, and bits describing a display type of a sub-picture corresponding to the button group, the information playback method comprising:

reading out the flag and the bits describing the display type from the information ~~recording~~ storage medium;

displaying the read-out button information with high definition when the flag describes ~~indicates~~ that the button group for [[a]] high definition exists ~~button group is recorded~~, and displaying the read-out button information according to the bits describing the display type when the flag describes ~~indicates~~ that the button group for [[a]] high definition does not exist ~~button group is not recorded~~.

Claim 6 (Currently Amended): An information playback method according to claim 5, wherein, the button information table ~~describes a maximum of 36~~ includes m items of button information; and the table is used as one-group mode made up of m items of button information, two-group mode made up of m/2 items of button informations, or three-group mode made up of m/3 items of button informations, where m is an integer ~~the maximum of 36 items of button information are described in a 1-group mode formed of 36 items of the button, a 2-group mode, each of the two groups is formed of 18 items of button information, or a 3-group mode, each of the three groups is formed of 12 items of button information.~~

Claim 7 (New): A computer readable information storage medium according to claim 1, wherein

the button area information includes a start X-coordinate describing the first X-coordinate of the rectangular area, an end X-coordinate describing the last X-coordinate of the rectangular area, a start Y-coordinate describing the first Y-coordinate of the rectangular area, and an end Y-coordinate describing the last Y-coordinate of the rectangular area; and

the end X-coordinate and the end Y-coordinate for high definition are larger than the end X-coordinate and the end Y-coordinate for standard definition.